

Amendment to the Specification

Please amend the specification as follows. Applicants by way of a Preliminary Amendment in the case amended the specification at page 4 to include a heading for "Summary of the Invention" with certain text following the heading, ending with another heading of "Detailed Description". Before the "Detailed Description" heading please insert the following:

Brief Description of the Drawings

Fig. 1 illustrates carotenoid biosynthesis in the plastids of plants. Abbreviations appearing in Fig. 1 are: PSY: phytoene synthase; PDS: phytoene desaturase; ZDS: zeta-carotene desaturase; LCY: lycopene β -cyclase.

Fig. 2 illustrates checking transcript accumulation in transgenic calli. Following the transfer of regenerated shoots, the remaining calli of one transformation were combined. mRNA was prepared from these calli mixtures. In each case ~500 ng of the mRNA were blotted onto a nitrocellulose membrane as shown in the sample scheme. In each case one of the membranes was hybridized with a radioactive probe of the four different genes. mRNAs of 4-week-old tobacco seedlings and of 4-week-old rice seedlings were used as controls. Abbreviations appearing in Fig. 2 are: Pp: protoplasts, K3 0.4M: K3 0.4M medium, KPS: KPS medium.